CLAIMS:

What is claimed is:

No.

1. A method comprising:

coupling a first heat transfer plate to an electronic component in a first part of a portable computing device and a second heat transfer plate in a second part of the computing device; and

circulating a fluid between one of the first heat transfer plate and a second heat transfer plate.

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- 2. The method of claim 1, further comprising: coupling the first heat transfer plate to a closed loop tube.
- 3. The method of claim 1, wherein the fluid is one of water, oil, and liquid refrigerant.
- 4. The method of claim 2, wherein the tube is coupled to a pump.
- 5. The method of claim 2, further comprising: coupling a disconnect to the tube.
- 1 6. The method of claim 1, further comprising:
 2 sensing the temperature of the electronic component; and
 3 causing the fluid to move when a threshold temperature is detected.
 - 7. The method of claim 1, further comprising: sensing the level of fluid in a fluid container.
 - 8. The method of claim 1, further comprising: removing heat at a rate in the range of about 10 to 50 watts.
- 9. The method of chaim 1, wherein the electronic component is a processor.
- 1 10. The method of claim 1 wherein the fluid circulates through the tube at about a rate of 1 milliliters/second to 10 milliliters/second.

a first heat transfer plate coupled to an electronic component located in a first part of a portable computing device and to a second heat transfer plate located in a second part of the portable computing device; and

a fluid for circulating through one of the first heat transfer plate and the second heat transfer plate.

- 12. The heat exchanging system of claim 11, wherein the heat transfer plate is coupled to a tube and the closed loop tube.
- 13. The heat exchanging system of claim 11, wherein the fluid is one of water, oil, and liquid refrigerants.
- 14. The heat exchanging system of claim 11, wherein the tube is coupled to a pump.
- 15. The heat exchanging system of claim 11, further comprising: a disconnect coupling secured to the tube.
- 16. The heat exchanging system of claim 11, wherein a temperature sensor is coupled to the tube and to a pump.
- 17. The heat exchanging system of claim 11, further comprising a fluid sensor for detecting when fluid is low in a fluid container.
- 18. The heat exchanging system of claim 11, wherein the heat transfer plate comprises a plate-fin type liquid heat transfer plate.
- 19. The heat exchanging system of claim 11, wherein heat is removed from the heat exchanging system at a rate of about 10 to 100 watts.
- 20. The heat exchanging system of claim 11, wherein a tube comprises one of rubber, plastic, aluminum, copper, and stainless steel.
- 21. The heat exchanging system of claim 11, wherein the electronic component is a processor.

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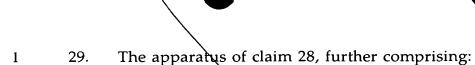


The heat exchanging system of claim 11, wherein the fluid circulates 22. through the tube at about a rate of 1 to 10 ml/sec.

23 An apparatus comprising:

- a heat generating element disposed in a first part of a portable computing device;
 - a first heat transfer plate coupled to the heat generating element;
- a second heat transfer plate disposed in a second part of the portable computing device;
- a tube coupled to the first part and the second part of the portable computing device; and
- a fluid for circulating through the tube, the first part and the second part of the portable computing device.
- The apparatus of claim 23, wherein the fluid is one of water, oil, and 24. liquid refrigerants.
- The apparatus of claim 23, wherein a temperature sensor is coupled to a processor which causes the fluid to flow in the tube when the temperature reaches a threshold temperature.
- The apparatus of claim 23, wherein a fluid sensor is coupled to a fluid 26. container.
- 27. The apparatus of claim 23, further comprising:
- a disconnect coupling secured to at least an end of one of the first part and the second part.
 - 28. An apparatus comprising:
 - a tube disposed in a portable computing device;
- the tube coupled to a first heat transfer plate and to a heat generating 3 device; and 4
- a fluid for flowing through the tube when a temperature sensor attains 5 6 a threshold temperature.

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- a fluid container coupled to the tube; and
- a fluid sensor coupled to the fluid container.
- 1 30. The apparatus of claim 28, wherein the tube is disposed in a first part
- and a second part of the computing device.